



U.S. Department
of Transportation
**Research and
Special Programs
Administration**

400 Seventh St., S.W.
Washington, D.C. 20590

NOV 5 2001

DOT-E 12038
(SECOND REVISION)

EXPIRATION DATE: September 30, 2003

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Duracool Limited
Edmonton, Alberta, Canada
(U.S. Agent: Van Ness Feldman, Washington, D.C.)

(See Appendix A of this document for a list of additional grantees)
2. PURPOSE AND LIMITATION:
 - a. This exemption authorizes the transportation in commerce of certain DOT Specification 2Q containers containing liquefied petroleum gas. This exemption provides no relief from any Hazardous Materials Regulation other than as specifically stated herein.
 - b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce. The safety analyses did not consider the hazards and risks associated with consumer use, or other uses not associated with transportation in commerce.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.304(d)(3)(ii) in that the authorized pressures for DOT Specification 2Q containers are exceeded and § 178.33a-8 except as specified herein.
5. BASIS: This exemption is based on the application of Duracool Limited, Inc. dated October 15, 2001, submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description --	Hazard Class/ Division	Identi- fication Number	Packing Group
Petroleum gases, liquefied	2.1	UN1075	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed is a DOT Specification 2Q container not exceeding 380 ml (23.2 cubic inches) capacity. The container must conform to Sexton Can Company, Inc. Drawing 211 x 406 Plain Bottom dated June 20, 1997 and technical specifications on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA) and are not equipped with a pressure relief device.

b. TESTING - § 178.33a-8 Tests.

(1) Four containers out of each lot of 3,040 containers or less, successively produced each day, shall be pressure tested to determine the burst pressure. The containers shall be complete with ends assembled. The end must reverse before any leakage or bursting. The minimum burst pressure may not be less than 350 psig.

(2) Each such 3,040 containers or less successively produced per day shall constitute a lot. These containers must be complete with ends assembled, of the same material, size, design, construction and finish. If any of the test containers in a lot fail the pressure test, that lot must be rejected, or ten additional containers selected at random from the lot may be subjected to the pressure test. Should any of the ten additional test containers fail the test, the entire lot must be rejected.

c. OPERATIONAL CONTROLS - Containers must be shipped as follows:

(1) Filling density must be in accordance with § 173.304(d)(1). In addition, the liquid portion of the gas must not completely fill the container at any temperature up to and including 130°F.

(2) Each completed container filled for shipment must have been heated until the pressure in the container is equivalent to the equilibrium pressure of the contents at 130°F without evidence of leakage, distortion, or other defect.

(3) The pressure in the container must not exceed 72 psig at 70°F and 180 psig at 130°F.

(4) Each container must be packed in strong outside packagings as prescribed in § 173.301(k).

(5) Each outside packaging must be marked "INSIDE CONTAINERS CONFORM WITH DOT-E 12038".

(6) Each package may not exceed 66 pounds gross weight.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or change are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

c. Duracool's existing inventory of approximately 400,000 empty DOT 2Q containers labeled as shown in Duracool's February 20, 1998 letter with UN1954 may be charged and shipped under this exemption until September 31, 1998. All DOT 2Q containers manufactured after the issuance of this exemption must be marked UN1075.

d. Test data obtained under paragraph 7.b., §178.33a-8 Tests, of this exemption, must be kept on file and be made available upon request by the OHMEA. Additionally, the following information must be submitted to OHMEA:

(1) Burst test results for the first 20 lots tested under paragraph 7.b. of this exemption.

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(2) Lading temperature and pressure test data for the first 20 lots to verify that each completed container has been heated until the pressure in the container is equivalent to the equilibrium pressure of the contents at 130°F without evidence of leakage, distortion, or other defect and that the pressure in the container does not exceed 180 psig at 130°F as specified in paragraphs 7.c.(2) and 7.c.(3) of this exemption. A description of the quality assurance controls used to assume compliance with the requirements of paragraph 7.c.(2).

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, and cargo vessel.
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel used to transport packages covered by this exemption.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law 49 U.S.C. 5101 et seq:
 - o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
 - o Registration required by § 107.601 et seq., when applicable.

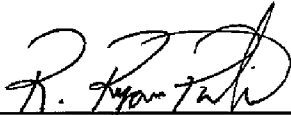
Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable.

(Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incidents involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:



for Robert A. McGuire
Associate Administrator
for Hazardous Materials Safety

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(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

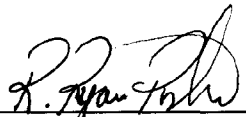
Copies of exemptions may be obtained from the AAHMS, U.S. Department of Transportation, 400 7th Street, S.W., Washington, DC 20590-0001, Attention: Records Center, 202-366-5046.

PO: CWFreeman/CHHochman/sln

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The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Concord Chemical, Inc. New Orleans, LA	1/17/2000	4/3/2000	1/31/2002
Enviro-Safe Refrigerants, Inc. Pekin, IL	12/27/99	4/3/2000	1/31/2002
Hydrosol Incorporated Bridgeview, IL	11/6/2001	NOV 26 2001	9/30/2003
OZ Technology, Inc. Rathdrum, ID	3/14/2000	4/3/2000	1/31/2002
Trans-Continental Bolt Company Johnstown, CO	4/26/2000	6/7/2001	1/31/2002


 For Robert A. McGuire
 Associate Administrator for
 Hazardous Materials Safety